

APPENDIX F

AIR EMISSIONS CALCULATIONS

On-Road Vehicle Emissions

	No. of Trips	Miles Traveled	No _x g/mile	VOC* g/mile	CO g/mile	SO ₂ g/mile	Exhaust PM ₁₀ g/mile	Tires PM ₁₀ g/mile	Brakes PM ₁₀ g/mile	No _x lb/total	VOC lb/total	CO lb/total	SO ₂ lb/total	Total PM ₁₀ lb/total
Onroad Vehicles														
Car Trips to Work	4800	17.4	0.4	0.25	3.4	n/a	N/A	0.04	0.01	73.7	46.0	626.0	n/a	9.2
Car Trip to Work Cadiz Interconnect	240	17.4	0.4	0.25	3.4	n/a	N/A	0.04	0.01	3.6	2.3	31.3	n/a	0.5
Total Daily Emissions Pounds/Day										0.6	0.4	5.5	0.0	0.1
Total Project Emissions Tons/Year										0.0	0.0	0.3	0.0	0.0

Notes:

Emission factors for Car Trips to work are from the Air Resources Board 's Emission Summary Report on passenger cars and light duty trucks for late model cars (1995 and later) at 50,000 miles.

Vehicle miles traveled (trip length) was based on the average value from Table A9-5-D for Riverside County.

Source: SCAQMD CEQA Air Quality Handbook; April, 1993.

N/A: Not Available.

No. of trips = 20 week project duration* 6 days/week* 2 trips/day * 20 cars/day = 4800 car trips.